



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D4777-1**Job Sheet 199876****Part No:** D4777-1**Job Qty:** 20 pcs**Part Name:** Rod End Bearing**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 9/3/19**Job Tracking No:****Due Date:** 10/8/19**Created By:** Marie Lajeunesse**Type:** Stock**Description:****Note:** DWG REV A IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS**Ship Via:****Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard	Workcenter/Supplier	Sign-off
					Setup Run Hrs Hrs	Workcenter / Supplier Lead Time	
100	Purchasing	20 pcs	10/8/19	10/8/19	0.00 0.00	Purchasing - 1	
						Purchasing - 2	
						Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	20 pcs	10/8/19	10/8/19	0.00 0.00	Packaging 2 - 1 - B4B	
						Packaging 2 - 2 - B4B	
						Packaging 2 - 3 - B4B	
						Packaging 2 - 5 - B4B	
						Packaging 2 - 4 - B4B	
						Packaging 2 - 6 - B4B	
						Packaging 2 - 7 - B4B	
						Packaging 2 - 8 - B4B	
						Packaging 2 - 9 - B4B	
						Packaging 2 - 10 - B4B	
						Packaging 2 - 11 - B4B	
						Packaging 2 - 12 - B4B	
						Packaging 2 - 13 - B4B	
						Packaging 2 - 14 - B4B	
						Packaging 2 - 15 - B4B	
						Packaging 2 - 16 - B4B	
						Packaging 2 - 17 - B4B	
						Packaging 2 - 18 - B4B	
						Packaging 2 - 19 - B4B	
						Packaging 2 - 20 - B4B	
						Packaging 2 - 21 - B4B	
						Packaging 2 - 22 - B4B	
						Packaging 2 - 23 - B4B	
						Packaging 2 - 24 - B4B	
						Packaging 2 - 25 - B4B	
						Packaging 2 - 26 - B4B	
						Packaging 2 - 27 - B4B	
						Packaging 2 - 28 - B4B	



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CANADA
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Container No: S215726**Part:** D4777-1**Job No:** 199876**Serial No/Batch:** S215726**Revision:****Inspector:****Exp Date:****Instructions:** Various STC's**Date:** 09/20/19

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				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120 QC 6	20 pcs	10/8/19	0.00 0.00	QC 6 - 9	
				QC 6 - 68	DAS
				QC 6 - 61	61
				QC 6 - 40	9-89
				QC 6 - 81	
130 Packaging 3-1 - Stock - B4B	20 pcs	10/8/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	Pc 57116
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	20 pcs	10/8/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	SEP 23 2019 DAS
				QC 21 - SA - 53	70
					9-89

Part Op 100 - (Purchasing) Issue P/O: _____ Purchase Part Number: 59915K274 or CTG

Descriptions: 110 - (Receive & Inspect for Damage & Mat'l Certs) Ensure certificate of conformity is attached

120 - (QC6- All purchased or subcontracted products)

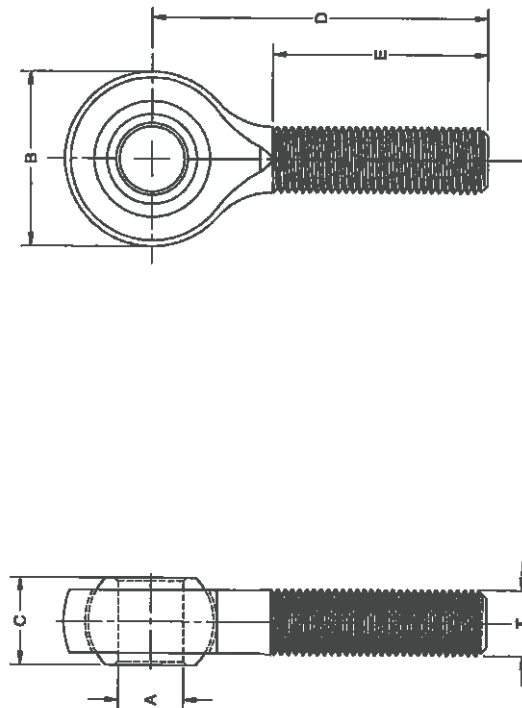
130 - (Identify as per dwg & Stock Location: _____)

140 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
59915K274	Rod End Bearing D4777-1	20 pcs (1 ea)	100-Purchasing	S15721
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	59915K274	20	0	0
Part Specifications				
Specifications could not be found.				

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A vertical scale bar with markings from 1 to 8. The markings are as follows: 1 at the top, 2 below it, 3 below that, 4 below that, 5 below that, 6 below that, 7 below that, and 8 at the bottom. The bar is a solid black line.



ROD END BEARING

DART PIN	HOUSING MATERIAL	A	B	C	D	E	T (THREAD SIZE)	SUGGESTED SUPPLIER	SUGGESTED SUPPLIER PIN
D4777-1	STAINLESS STEEL	Ø0.38	1.00	0.500	1.94	1.25	3/8-24 (RIGHT HAND)	MC MASTER CARR	59815K274

RELEASED
2013-08-14

A		NEW ISSUE		DESCRIPTION		AJS	BY	AJS	13.08.08
REV.		DESIGN		AJS					
		DRAWN		AJS					
		CHECKED							
		MFG. APPROV							
		DE APPR							
DATE		13.08.08		ROD END BEARING		SCALE		NTS	
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D4777 REV. A SHEET 1 OF 1 TITLE									
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Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐



Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐		Cross tube ☐ Small Fab ☐ Finishing ☐		Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐		Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐									
Date: _____		Sequence #: _____		QTY Affected: _____		MRB (QS1042)													
Description Work Order Deviation				Disposition															
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐				FAULT CATEGORY															
				Pressure/Forced Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐				Contamination Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐				Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread ☐			
				Other/Details: _____															
Completed By				Lead hand / Supervisor				QC / QA Coordinator											

PURCHASE ORDER



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044424



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Attention: N/A,

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044424

PO Date: 9/5/19

Due Date: 9/9/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED
2019-09-05

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		5909K13	1/pk	Thrust BRG Cage Assembly	Firmed	-	9/9/19	1 Ea	0 Ea	1 Ea	\$4.40/Ea	\$4.40
2		5909K85	1/pk	Thrust BRG Washer	Firmed	-	9/9/19	2 Ea	0 Ea	2 Ea	\$9.65/Ea	\$19.30
3		90024A232	1/pk	18-8 Stainless Steel Threaded Rod, M10 X 1.5 mm Thread Size, 500 mm Long	Firmed	-	9/9/19	1 Ea	0 Ea	1 Ea	\$11.92/Ea	\$11.92
4		93839A830	20/pk	Thin Nut	Firmed	-	9/9/19	20 Ea	0 Ea	20 Ea	\$0.6605/Ea	\$13.21
5	199876	59915K274		Rod End Bearing D4777-1 : AS PER DWG D4777 REV. A	Firmed	-	9/9/19	20 pcs	0 pcs	20 pcs	\$23.17/pcs	\$463.40
6	199913	6338K417	1/pk	Bushing receive pcs	Firmed	-	9/9/19	2 pcs	0 pcs	2 pcs	\$1.22/pcs	\$2.44
Grand Total:												\$514.67

20x AT SEP 20 2019

2x AT SEP 20 2019



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PURCHASE ORDER
POHB044424



Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/5/19 10:37 AM Dart.Guerin.Kimberley

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 Columbus, OH 44202-8087
 Tel: 614-995-5500
 Email: mc.sales@mcmaster.com

Dart Aerospace Ltd
 1270 Aberdeen St
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 Canada
 Attention: N/A

Purchase Order
POHB044424
 Order Placed By
Kimberley Guerin
 McMaster-Carr Number
1754848-01

Page 1 of 1
 09/05/2019

Line	Product	Ordered	Shipped
1	5909K13 Needle-Roller Thrust Bearing for 15 mm Shaft Diameter, 28 mm OD	1 Each	1
2	5909K85 2.75 mm Thick Washer for 15 mm Shaft Diameter Needle-Roller Thrust Bearing	2 Each	2
3	90024A232 18-8 Stainless Steel Threaded Rod, M10 x 1.5 mm Thread Size, 500 mm Long, Packs of 1	1 Pack	1
4	93839A830 Zinc Yellow-Chromate Plated Steel Thin Hex Nut, Grade 8, High-Strength, 9/16"-18 Thread Size, Packs of 20	1 Pack	1
5	59915K274 Corrosion-Resistant Ball Joint Rod End, 3/8"-24 Thread, Right Hand	20 Each	20
6	6338K417 Oil-Embedded Flanged Sleeve Bearing for 1/2" Shaft Diameter and 5/8" Housing ID, 3/8" Long	2 Each	2

Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.


 Sarah Weinberg
 Compliance Manager